ORDER FOR SUPPLIES AND SERVICES

REQU S T ON/REFERENCE NUMBER	PAGE OF PAGES
ID08120042	1 of 1

1 DATE OF ORDER	2 ORDER NUMBER	3 CONTRACT NUMBER	4 PDN NUMBER
12/18/2012	GST0813BP0009	GSA00Q09BGD0039	A2466766M

FOR GOVERNMENT USE ONLY

5. ACCOUNTING AND APPROPRIATION DATA

FUND	FUNCT ON CODE	B/A CODE	CC A	C/E CODE	FY	REG ON
299X	A08VE110	F6	25	H08		
CC B	**PROJ /PROS NO**	**O/C CODE**	**ORG CODE**	**W/ TEM**	**PRT /CRFT**	
		25				

6 TO CONTRACTOR (Name address and zip code)

(b) (6)
Lockheed Martin Integrated Systems Inc.
6801 Rockledge Dr.
Bethesda, MD, 20817-1803
United States
(b) (6)

7. TYPE OF ORDER

A ☐ PURCHASE
Please furnish the following on the terms and conditions specified on the order and he attached sheets if any including delivery as indicated

B ☐ DELIVERY (For Supp es)
This delivery order is issued subject to the terms and conditions of the above numbered contract

C ☒ TASK ORDER (For Serv ces)
This task order is issued subject to the terms and conditions of the above numbered contract

8A Data Universal Numbering System (DUNS) Number	8B Taxpayer dentification Number (T N)
	(b) (4)

9A BUS NESS CLASS F CAT ON

☐ a SMALL ☒ b OTHER THAN SMALL ☐ c SMALL DISADVANTAGED
☐ d WOMAN OWNED ☐ e HUBZone ☐ f EMERGING SMALL
☐ g VETERAN ☐ h SERVICE DISABLED VETERAN

D MOD F CAT ON NUMBER	AUTHOR TY FOR SSU NG
000	

Except as provided herein all terms and conditions of the original order as heretofore mentioned remain unchanged

9B START DATE 01/01/2013
9C COMPLET ON DATE 12/31/2013

10 SSU NG OFF CE (Address Zip Code and elephone Number)

GSA Region 8
Heidi N Sawyer
PO Box 25530
Denver, CO 80225
United States

11 REM TTANCE ADDRESS (MANDATORY)

Lockheed Martin Integrated Systems Inc.
2339 Route 70 West, Floor 2W
Cherry Hill, NJ, 08002-3315
United States

12 SH P O (Consignee Address Zip Code and elephone Number)

(b) (6)
7026 N 141st Ave Bldg 617
Luke AFB, AZ 85309-1663
United States
623-856-3376

13 PLACE OF NSPECT ON AND ACCEPTANCE

(b) (6) 7026 N 141st Ave, Bldg 617, Luke AFB, AZ, 85309-1663

14 REQU S T ON OFF CE (Name Symbol and Telephone Number)

Marlene E Florman, GSA Region 8, PO Box 25526 Denver, CO 80225, 303-868-3391

15 F O B PO NT	16 GOVERNMENT B/L NUMBER	17 DEL VERY F O B PO NT	18 PAYMENT/D SCOUNT TERMS
Destination		12/31/2013	Net 30 Days/0.00% 0 Days/ 0.00% 0 Days

19. SCHEDULE

TEM NUMBER (A)	SUPPL ES OR SERV CES (B)	QUAN Y ORDERED (C)	UN T (D)	UN T PR CE (E)	AMOUNT (F)
0001	Operation Support and ILS Mgmt - FFP - Base	1	Lot	(b) (4)	
0002	Travel - Base	1	Lot		
0003	Studies/Analysis and Engineering Changes - Non Sev	1	Lot		
	See attached for additional schedule information.				

20 RECE V NG OFF CE (Name Symbol and Telephone Number)
56 TRS/NTC-L, 623-856-3376

TOTAL FROM 300 A(s) ▷

21 MA L NVO CE TO (Electronic nvoice Preferred)
GENERAL SERV CES ADM N STRAT ON
Finance Operations and Disbursement Branch (BCEB)
299X
PO Box 219434

Kansas City, MO 641219434
United States

22 GROSS SH P WE GHT

GRAND TOTAL ▷ **2,504,989**

23 SH PP NG PO NT
Specified in Quote

24A FOR NQU R ES REGARD NG PAYMENT CONTACT
GSA Finance Customer Support

24B TELEPHONE NUMBER
816-926-7287

25A NAME AND T TLE OF OFFEROR/CONTRACTOR

26A UN TED STATES OF AMER CA *(NAME OF CONTRACTING/ORDERING OFFICER)*
Heidi N Sawyer

25B S GNATURE	25C DATE S GNED	26B S GNATURE	26C DATE S GNED
		(b) (6) Digitally signed by Heidi Sawyer Date: 2012.12.18 13:15:55 -07'00'	12/18/2012

PERFORMANCE WORK STATEMENT

For

Engineering and Operations Support for
the Networked Training Center-Luke (NTC-L)

Prepared by:

Department of the Air Force
56 TRS/NTC-L
Luke Air Force Base, Arizona

15 May 2012

TABLE OF CONTENTS

APPENDIX A - AVAILABILITY

PWS Attachment 1 - Government Property (GFE)
PWS Attachment 2 - Supply Inventory
PWS Attachment 3 - Supply Inventory GFM
PWS Attachment 4 - Bldg 617 Floor Plan
PWS Attachment 5 - DD 254
PWS Attachment 6 – CDRLs

SCOPE

This Performance Work Statement (PWS) describes the tasks associated with sustainment of the F-16 Networked Training Center-Luke (NTC-L), including simulator concurrency with all F-16 aircraft systems and OFPs, Integrated Logistics Support (ILS), change management, and contract transition activities including transfer of responsibility from the current sustainment contract, and transfer to a follow-on sustainment contractor at the conclusion of this contract. The F-16 NTC-L program is a networked set of four flight simulators used to conduct formal F-16 training and development. These devices are owned, operated and managed by the United States Air Force (USAF) via the Air Education and Training Command (AETC) to develop F-16 pilot skills and core competencies in flight maneuvers, emergency procedures and in refining air-to-air and air-to-ground combat skills.

The contractor, in accordance with this PWS, will investigate, analyze, plan, procure, manage, integrate, and test new technologies and capabilities in the NTC-L facility. These technologies and capabilities will be funded and executed at the discretion of the AETC program manager to enhance student training and instructor pilot (IP) continuity training. The contractor will provide all engineering development during the course of this task order. This activity will ensure hardware continues to be 100% government-owned and the government continues to retain unlimited rights to all software to include simulator and engineering software (with the exception of licensed third-party software).

The contractor shall provide technical engineering and operations support to ensure 95% systems capability, availability and reliability. Essential competencies and activities include: systems engineering; engineering development (hardware and software to include Configuration Management); systems operations and maintenance; technical support (e.g. systems and products analysis, and database modeling); local and wide area networking; integrated logistics support and inventory control; systems enhancement, modification and integration expertise, Major Weapon System (MWS) and Weapons Director (WD) subject matter expertise (e.g. systems, weapons, tactics, and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) to support NTC-L daily operations, systems development and planning); and ensure the government-provided office/work space are kept clean and free of safety hazards.

The contractor shall support specialized development and engineering support requirements as required by the Government, ensure the trainer is concurrent with F-16s assigned and provide recommendations to the Government concerning emerging technology.

F-16 Network Training Center (NTC) Description
The F-16 NTC provides basic and advanced mission training. It incorporates normal flight procedures, emergency procedures, air-to-air and air-to-ground tactics and weapons (conventional/smart) employment, LITENING/LANTIRN/SNIPER pods, Night Vision Goggles (NVG), interactive threat network, and local/distributed networking capabilities with brief/debrief system to support two/four-ship distributed mission training and participation in larger-scale Virtual Flag events with a high fidelity cockpit and a 360 degree field of view visual system. The NTC is capable of simulating weapons associated with the F-16 that are required for training.

Inspection and Acceptance / FOB

Inspection and acceptance will be at Destination, NTC-L, Luke AFB, and for deliverables shall be at Destination.

Deliver to address:

56 TRS/NTC-L
7026 N 141st Ave Bldg 617
Luke AFB AZ 85309-1663

Requiring Activity's DODAAC: F67100

APPLICABLE DOCUMENTS
The following documents, including all AETC and 56 FW Supplements, are applicable to this PWS to the extent specified herein as well as other documents specified by the DD254.

Department of Defense Standards

AFI 31-401	Information Security Program Management	1Nov05 (Change 1, 19Aug09)
AFI 31-501	Personnel Security Program Management	27Jan05 (AFGM1, 24Aug11)
AFI 31-601	Industrial Security Program Management	29Jun05
AFI 32-7042	Civil Engineering Waste Management	15Apr09 (Change 1, 3Mar10)
AFI 33-200	Information Assurance (IA) Management	23Dec08 (Change 2, 15Oct10)
AFI 33-201	Vol 1(FOUO) Communications Security (COMSEC)	1May05 (Change2, 15Oct10)
AFI 33-201	Vol 2 Communications Security (COMSEC) User Requirements	26Apr05 (Change 2, 22Sept11)
AFI 33-210	Air Force Certification and Accreditation (C&A)	23Dec08

	Program (AFCAP)	
AFI 36-2248	Operation and Management of Aircrew Training Devices	1May98
AFI 36-2251	Management of Air Force Training Systems(info only)	5Jun09 (AFGM1.2, 19Sept11)
AFI 63-101	Acquisition and Sustainment Life Cycle Management	8Apr09 (Change, 3Aug11)
AFI 63-124	Performance-Based Services Acquisition (PBSA)	1Aug05
AFI 91-301	Air Force Occupational and Environmental Safety, Fire Protection, and Health (AFOSH) Program	1Jun96
AFM 33-282	Computer Security (COMSEC)	27Mar12
AFPD 33-2	Information Protection	3Aug11
AFSOCI 33-201	Controlled Access Area	8Oct08
AFSSI 7700	Emmission Security	24Oct07 (Ch 1, 14Apr09)
DFARS Clause 252.211-7003	Item Identification and Valuation	Aug08
DFARS Clause 252.211-7007	Reporting of Government Furnished Equipment in the DoD Item Unique Identification (IUID) Registry	Nov08
DoDD 5000.01	The Defense Acquisition System	20Nov07
DoDD 5200.01	DoD Information Security Program and Protection of Sensitive Compartmented Information	9Oct08
DoDD 5230.24	Distribution Statements on Technical Documents	18Mar87
DoDD 5230.25	Withholding of Unclassified Technical Data from Public Disclosure	18Aug95
DoDD 8500.01E	Information Assurance	23Apr07
DoD 5200.2-R	Personnel Security Program	Jan 87
DoD 5220.22-M	National Industrial Security Program Operating Manual	28Feb06
DoD Instruction (DoDI) 2040.02	International Transfer of Technology, Articles, and Services	10Jul08
DoDI 3020.37	Continuation of Essential DoD Contractor Services During Crises	6Nov90 (Change 1, 26Jan96)
DoDI 5000.02	Operation of the Defense Acquisition System	8Dec08
DoDI 5200.01	Information Security Program	9Oct08 (Ch 1, 13Jan11)
DoDI 5200.39	Critical Program Information (CPI) Protection within the DoD	16Jul08
DoDI 8500.2	Information Assurance (IA) Implémentation	6Feb03
DoDI 8510.01	DoD Information Assurance Certification and Accreditation Process (DIACAP)	28Nov07
DoD Manual 5200.1	The Acquisition Systems Protection Program	16Mar94
MIL-STD-130N	DoD Standard Practice Identification Marking of U.S.	17Dec07

	Military Property	
MIL-STD-882D	DoD Standard Practice for System Safety	10Feb02
Technical Order 00-35D-54	USAF Deficiency Reporting, Investigation, and Resolution	1Oct09

Other Documents

ANSI/ESD S20.20-2007	Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)
Combat Air Forces Distributed Mission Operations (CAF DMO) Standards	(see https://secure.dmodmt.com)
F-16 Multi-Mission Fighter Security Classification Guide	
IEEE/EIA 12207.0	Standard for Information Technology – Software Life Cycle Processes May98
Occupational Safety Health Act	(Public Law 91-596)
USAF TSPG Common Dataset Standard	1Dec06

MANAGEMENT

Program Management

The contractor shall develop and maintain a program management process outlining the overall planning and programming support necessary to direct and control the F-16 NTC. The contractor shall document the program management process in a Management Plan (MP), and exercise Administrative and Financial Management functions and processes throughout the Period of Performance (POP) to include responsibility and accountability for: planning program milestones; scheduling activities; controlling resources; personnel; outlining and accounting for contractor activity and progress towards established objectives; managing risks; and the forecasting and decision-making with regard to funding NTC-L development or program changes. (The contractor shall deliver a Management Plan IAW CDRL B004, a Contract Summary Report IAW CDRL B006, a Travel Funds Status Report IAW CDRL B001, and a Progress, Status, and Management Report IAW CDRL B002.) The contractor will be responsive to all simulator customer inquiries and problems arising from verbal inputs during briefings/missions/debriefings, pilot critiques, and mission discrepancies. They will validate the complaints/discrepancies to see if the problem can be corrected immediately, and if not determine a course of action for correcting the problem. All complaints, whether verbal or written, will be tracked.

Key Personnel

The contractor shall provide an on-site staff capable of fulfilling and sustaining the following critical, functional positions at the NTC-L during normal operations:

3.1.1.1 Program Manager – Responsible for all aspects of program execution. The manager should have a Bachelor's degree in Management, Engineering, or Computer Science with a minimum often years program or engineering management experience.

3.1.1.2 Operations Support Manager – Responsible for operations and maintenance of the NTC-L system and facility. Individual should have a Bachelor's degree or ten years experiences combined with some college-level education, and have 10 years managing Contractor Logistic Support for aircrew training systems, aircraft logistic support, or Engineering related activities.

3.1.1.3 Engineering Manager - Responsible for all software/hardware systems engineering and engineering development activities. Individual shall have a Bachelor's degree in Engineering or 10 years experience combined with some college-level education, five years experience leading skilled, junior, intermediate or senior level staff, working knowledge of flight simulator systems, and ten years experience in an engineering discipline. The individual should have working experience in real-time software programming, mixed computer environment (Windows, Solaris, UNIX, Linux), knowledge of VxWorks and C/C++, and knowledge of flight simulation systems and techniques

3.1.1.4 Procurement/Logistics Specialist – Responsible for program-related procurement and integrated logistics functions to include property management. Individual should have a Bachelor's degree from an accredited college or eight years professional experience in a related

discipline and a minimum of three years experience with government procurement, prime contract requirements, FAR/DFAR requirements, supply, shipping, and receiving.

3.1.1.5 F-16 Subject Matter Expert (SME) Manager – Responsible for directing F-16 and Weapons Director SME activities. Provides expertise in the definition, testing, exercise, conduct, and advanced developments of F-16 training requirements and NTC-L utilization.

3.1.1.6 Quality Control Representative – Provides quality assurance inspections for all agreed-upon aspects of program performance. Individual should have a four-year degree at an accredited college or university or eight years of relevant experience with a minimum of five years QA experience in a technical environment.

3.1.1.7 Senior Systems Engineer – Provides systems engineering expertise for all modifications to the simulator and networked environment. Individual should have a Bachelor's degree in related discipline or eight years professional experience on simulation systems with some college-level education. Individual should have experience with concept, design, fabrication, test, installation, operation, maintenance and disposal of total system products and experience converting customer requirements into total systems solutions that acknowledge technical, schedule, and cost constraints.

3.1.1.8 Senior Software Engineer – Provide software engineering and development expertise for all modifications to the simulator and networked environment. Individual should have a Bachelor's degree in a related discipline or eight years experience combined with some college-level education, twelve years experience in real-time software programming, mixed computer environment (Windows, Solaris, UNIX, Linux), knowledge of VxWorks and C/C++, and knowledge of flight simulation systems and techniques.

3.1.1.9 Senior Hardware Engineer – Provide hardware engineering expertise for all modifications to the simulator and networked environment. Individual should have a Bachelor's degree in a related discipline or six years experience combined with some college-level education, eight years experience with research and analysis for product selection and implementation, and experience in real-time flight simulation systems and hardware engineering support of flight simulators and flight simulator visual systems.

Program Meetings

The contractor shall provide for and support semiannual NTC-L Program Management Reviews (PMRs), semiannual Instructional System Development Working Groups (ISDWGs) (this requires TDY to meeting location), monthly Systems Management Board (SMB), and monthly Integrated Product Team (IPT) meetings if required. All of these meetings will be held within the NTC-L facility on Luke AFB of which the contractor shall be required to attend. The contractor shall prepare the agenda and minutes for these meetings. (CDRL B003)

Schedule Management

The contractor shall execute the program IAW the contract. Consistent with contract delivery requirements, the contractor shall establish and maintain an Integrated Master Schedule (IMS) that is consistent with the IMP, to schedule the allocation of program resources and manpower to

achieve program requirements. The IMS shall identify critical path relationships between activities to allow effective reallocation of resources when appropriate. The Contractor shall update the IMS, IAW the CDRL as program activities are accomplished and to adjust for resource fluctuations and materiel delivery changes. (CDRL B004)

Risk Management
The contractor shall implement an integrated risk management program to identify and assess cost, schedule and performance risks; implement necessary risk mitigation procedures and report on mitigation progress at the PMRs. (CDRL B004)

Data Management
The Contractor shall generate and distribute contractual data IAW the CDRLs. The Contractor shall maintain the status of all data deliverables. The Contractor shall identify all internal documents and computer programs generated as a result of this contract on the Data Accession List (DAL). (CDRL B005)

3.1.5.1 Program Data
The Contractor shall deliver CDRL items in electronic media format (MS Word/PDF). This delivery method shall also include those non-deliverables identified on the DAL. Those not in electronic format, shall be provided in hardcopy.

3.1.5.2 Monthly Activity Report (MAR)
The contractor shall submit a MAR NLT the fifteenth of the month. The MAR shall cover the following items:

a) A billing summary that includes a listing of the date, the contract and line item numbers, and amount of the invoices submitted for payment.
b) Engineering activity providing a summary of the project(s), accomplishments for the past month, upcoming tasks, and associated risks/issues.
c) Identification of any parts exhibiting higher than expected failure rates as well as opportunities for upgrades via technology insertion.
d) Status of spares repaired or replaced during the month including the following:
    1) Repairable: repair/condemnation data for each item, including site, serial number, part number, noun, National Stock Number (NSN) if applicable, quantity, condition status, source of supply, cage code, and lead time
    2) Consumable: consumption data for each item, part number, noun, NSN if applicable, and quantity
    3) Recompetition Support Package (RSP) change recommendations based on current spares consumption/status.
e) Summary of the on-site support activities, serial number, a description of the discrepancy, a description of the corrective action, and trainer down time. Furthermore, the report shall include utilization and activity summary for each device, including completed training hours, scheduled training hours, Research and Development hours, and Other hours. (CDRL B002)

3.1.5.3 Recompetition Support Package (RSP) Status Report

The contractor shall prepare a semiannual report (CDRL B003) that includes the following:

a) Current baseline definitions for each trainer, including: indentured drawing list and status, List Of Applicable Publications (LOAPS), List Of Applicable Software (LOAS), specifications, test procedures, and any other applicable documentation
b) Spares inventory and status
c) Consumption/usage and obsolete parts (and recommended replacements).

Quality Assurance

3.1.6.1 Quality Control Plan (QCP).
The contractor shall develop, maintain, and implement a Quality Control Plan (QCP) that contains, as a minimum, the requirements listed in paragraph/subs 3.1.6.3. Although ISO 9000 certification is not required, a QCP meeting ISO 9000 series requirements is desired. The contractor shall make appropriate and necessary revisions to the plan throughout the performance period of the contract. The QCP and records of inspections shall be kept and made available to the Government upon verbal request by the COR/QAR, throughout the contract performance period, and for the period after contract completion until final settlement of any claims under this contract. (CDRL B005)

3.1.6.2 Objective of the QCP
The objective of the QCP is to ensure consistent, high quality service responsive to user needs to support F-16 flying training.

3.1.6.3 Quality Control Representative (QCR)
The contractor shall designate one (1) employee as a QCR who shall be the contractor's point of contact relating to all quality control functions, and maintain the QCP. The plan shall include:

a. A description of the contractor's inspection system to cover all tasking in this PWS. The description shall include specifics as to the areas to be inspected, on both a scheduled and unscheduled basis, frequency of inspections, and the title and organizational placement of the inspector(s). Additionally, security control procedures for any Government provided facilities; equipment, keys or lock/cipher combinations shall be included.
b. A description of the methods to be used for identifying and preventing defects in the quality of service performed.
c. A description of the methods to be used to improve methods and services provided.
d. A description of the records to be kept to document inspections and corrective or preventative actions taken.

Problem Reporting System
The contractor shall establish, execute, and maintain a computerized Problem Reporting System to document and track problems from identification through implementation of the corrective action. A problem does not automatically indicate a contract non-compliance issue; it may also indicate an absent requirement. The Problem Reporting System shall include records documenting:

a) Discrepancies [e.g., Test Discrepancies (TD)] – contract non-compliance issues indicated by results of verification activities (failed tests, inspections, analyses, or demonstrations), and latent defects discovered during system operation

b) DMO System Problem Reports (SPR) – problems identified from DMO Events and testing
c) System performance needs or shortcomings identified by any Government or Contractor IPT member (i.e. Deficiencies).

The contractor's Problem Reporting System database shall also contain the data and tracking information required for the Joint Deficiency and Reporting System (JDRS), compliant with Technical Order (TO) 00-35D-54 to include functioning as the Originator, Originating Point, and Support Point as outlined in the above referenced Technical Order. The contractor shall enter all problems determined to be Deficiencies into the JDRS for the F-16 NTC program during the Period of Performance of this contract. The Government shall be provided electronic access to the records maintained in the Contractor's Problem Reporting System under provisions of the Data Accession List and Data Management requirements. All problem report records shall include (as a minimum): a report tracking number, date submitted, classification, a brief description, originator, status, priority, responsible person, corrective action, estimated date for correction, and overall summary. Problem reports may be initiated by the Contractor, Government personnel, or Government-authorized contracted on-site staff as a result of test activities and any other observed system anomalies or inadequacies. (CDRL B005)

Safety
The contractor shall develop and support a system safety program IAW MIL-STD-882D.

3.1.8.1 Electrostatic Discharge (ESD) Control
The contractor shall manage and maintain a process to control ESD IAW ANSI/ESD S20.20-2007. The contractor shall control ESD IAW the contractor's ESD process.

Systems Engineering
The contractor shall develop and maintain a requirements-driven, iterative-design systems engineering management process outlining the overall planning, programming, directing and controlling as applicable to the F-16 NTC. The contractor shall document its systems engineering process in a Scientific and Technical Report approved by the Government. (CDRL B011) The contractor shall provide on-site engineering staff responsible for performing the essential engineering activities to support networked training requirements and capable of supporting near to long-term NTC-L development. The contractor shall continuously maintain HW/SW currency and coordinate SW maintenance issues with the Mission Training Engineering Center (MTEC) in order to maintain the respective OFP: F-16 Block 25 Software Compatibilities Upgrade (SCU), and Block 42 Common Configuration Implementation Program (CCIP). OFP emphasis includes systems such as radar, threat warning, countermeasures, weapons, and as well as the total F-16 aircraft system essential for effective training. The contractor is also responsible to maintain and document these updates as well as other program software (including visual databases) associated with this contract through a Configuration Management Plan used by the simulators and the engineering development section.

Technical Reviews and Meetings
The contractor shall support technical reviews to provide status and design disclosure for projects and engineering changes and other meetings requested by either the Government or the Contractor as necessary to address special technical topics and issues. These reviews and

meetings may be held in conjunction with PMRs or other SMB meetings when appropriate. The type and number of formal technical reviews shall be documented in the tasking for each specific engineering project. The contractor shall prepare the agenda and minutes for these meetings. (CDRL B003)

3.2.1.1 Local Area and Long Haul Networking

The contractor technical personnel shall participate in Local Area and Long Haul Network planning meetings, standards development/implementation meetings, and local or off station meetings as necessary to facilitate achieving and maintaining interoperability for distributed training with other local and geographically separated virtual training simulators participating in Local Area and Long Haul training events. Accordingly, as directed, the contractor shall implement interoperability configuration changes via tasking or as separately requested ECPs as Networking Standards evolve over the life of the contract.

Requirements Traceability

The contractor shall maintain an electronic Requirements Traceability Matrix (RTM) that identifies all performance requirements (including modifications) and provides traceability to the implemented design and verification documentation (test procedures, audits, etc) that confirms the correct and complete implementation of each requirement. The Contractor shall review and update the RTM upon any modification of F-16 NTC requirements. (CDRL B005)

Software Engineering

The contractor shall manage and resolve software defects and issues related to sustainment activities of the training devices. The contractor shall maintain software media in an operable condition and in the current and Government-approved baseline configuration. The contractor shall maintain a NTC software support capability to design, validate and deliver training device software releases.

3.2.3.1 Software Releases

The contractor shall manage and deliver software releases to ensure concurrency, resolution of test discrepancies and safety of flight.

3.2.3.2 Software Documentation

When a Computer Software Configuration Item (CSCI) is modified to a new version, the contractor shall update all applicable software documentation not less than 10 working days prior to release of the new version unless otherwise authorized by the Government. (CDRLs B009 (Computer Systems Operator's Manual), B010 (Software User's Manual), B012 (System/subsystem Design Description), B013 (Software Design Description) B014 (Interface Design Description))

Requirements Verification

The contractor shall conduct engineering testing and configuration audits as appropriate to verify that all system performance requirements are met or exceeded. All verification tests shall be IAW contractor-developed and Government-approved specifications, Acceptance Test Procedures (ATPs) and Approval Test Guides (ATGs). The contractor shall manage, track and correct discrepancies identified during testing or audits. The contractor shall document all test

results, to include test discrepancies, and consolidate into a report prior to acceptance by the government COR/QAR. The contractor shall verify all modifications before the start of Government testing. (CDRLs B008, B011)

3.2.4.1 Simulator Certification (SIMCERT)
The Contractor shall provide operational support for periodic Government-conducted SIMCERT testing IAW AFI 36-2251, Chapter 6, and AFI 36-2248, Chapter 5. Once the government has completed testing and certifying the simulators the Contractor shall enter all deficiencies identified during SIMCERT activities into its Problem Reporting System. The government will prioritize the deficiencies for repair/update. (CDRLs B008, B011)

Program Security
The Contractor shall be responsible for F-16 NTC security in accordance with the contract DD Form 254 - DoD Contract Security Classification Specification submitted as Section J, Attachment 7 to this contract. In the event of a conflict between requirements in the DD-254 and this PWS, the DD-254 shall take precedence. The contractor shall comply with local base standards for safety and security and shall maintain security for all facilities they occupy/manage IAW host base security requirements. The contractor shall create and maintain operating procedures IAW the DoD and AF security disciplines listed below. The contractor shall protect For Official Use Only (FOUO) and classified material from unauthorized access. The contractor shall report all security violations and/or anomalies to the Government program office no later than the morning of the next business day.

DODI 8510.01	AFI 31-601
DODI 8500.2	AFI 33-200
DOD 5200.1-R	AFI 33-201 Volume 1
DOD 5200.2-R	AFI 33-203 Volume 1
DoD 5220.22-M	AFI 33-203 Volume 3
AFI 31-401	AFI 33-210
AFI 31-501	

Acquisition Systems Protection
The Contractor shall ensure security requirements are integrated into all aspects of the F-16 NTC program execution as required by DoD Directive 5000.01, The Defense Acquisition System, DoD Instruction 5000.02, Operation of the Defense Acquisition System, and DoD Instruction 5200.39, Critical Program Information (CPI) Protection Within the Department of Defense. The Contractor shall establish, implement, and maintain these requirements in accordance with the provisions of DoD Instruction 5200.1, The Acquisition Systems Protection Program, and the F-16 Fighting Falcon Program Protection Plan (PPP). In addition, the Contractor shall ensure all Information Systems included in upgrades to the F-16 NTC elements or used during its development or support shall adhere to the requirements in Air Force Policy Directive 33-2, Information Protection, Air Force Instruction 33-202, Network and Computer Security, DoD Instruction 8510.01, DoD Information Assurance Certification and Accreditation Process (DIACAP), and DoD Directive 8500.01E Information Assurance. The Contractor shall support the initial certification, recertification, and maintenance of the Authority to Operate (ATO), and shall forward all of the updates to and provide technical support to the Air Force Designated

Approval Authority (DAA) and the Certifying Authority as required to facilitate the Certification and Accreditation (C&A) process for the F-16 NTC program by the DAA.

3.3.1.1 Information Security
The Contractor shall execute the F-16 NTC program in accordance with DoD 5220-22-M, National Industrial Security Program Operating Manual (NISPOM), and DoD Instruction 5200.01, DoD Information Security Program and Protection of Sensitive Compartmented Information. The Contractor shall protect classified materials and data received or generated as a part of the execution of this contract. Classification requirements are established in the current F-16 Multi-mission Fighter Security Classification Guide.

3.3.1.2 Information Systems (IS)
The Contractor shall implement protection measures for IS used in the execution of this contract in accordance with DoD Directive 8500.01E, Information Assurance, and DoD Instruction 8500.2, Information Assurance Implementation. In accordance with DoD 5200.1-R and AFI 31-401, the contractor shall comply with AFI33-200 Information Assurance (IA) Management, and AFI 10-701, Operations Security (OPSEC). The contractor shall ensure that personnel accessing information systems have the proper and current information assurance certification to perform information assurance functions in accordance with DoD 8570.01-M, Information Assurance Workforce Improvement Program. Any changes to computers and other electronic hardware covered under EMSEC must be coordinated through host base information protection office.

3.3.1.3 Technology Control
The Contractor shall implement protection standards and guidance described in DoD Manual 5200.1, The Acquisition Systems Protection Program, Chapter 5, to prevent foreign intelligence collection and/or the unauthorized disclosure of information governed by the International Traffic in Arms Regulation (ITAR) and/or the Export Administration Regulation (EAR) during F-16 NTC program execution. Distribution of unclassified Critical Program Information (CPI) (see DoD Manual 5200.1, The Acquisition Systems Protection Program, Chapter 3, and the F-16 Fighting Falcon Program Protection Plan (PPP)) shall be made in accordance with DoD Instruction 2040.02, International Transfers of Technology, Articles, and Services. All such documents shall be properly marked in accordance with DoD Directive 5230.24, Distribution Statements on Technical Documents. Technical documents prohibited from distribution are defined in DoD Directive 5230.25, Withholding of Unclassified Data from Public Disclosure.

Industrial Security
Visitor Group Security Agreement (VGSA). The contractor shall review and coordinate on contractor visitor security group agreements and DD Forms 254, *Contract Security Classification Specifications*, for technical accuracy, extent of security protection required, and sufficiency of classification guidance prior to approval. The contractor shall enter into a long-term visitor group security agreement if contract performance is on base. This agreement shall outline how the contractor integrates security requirements for contract operations with the Air Force to ensure effective and economical operation on the installation. The agreement shall be executed within 30 days after contract start and include:

3.3.2.1 Security support provided by the Air Force to the contractor shall include storage containers for classified information/material, use of base destruction facilities, classified reproduction facilities, use of base classified mail services, security badging, base visitor control, investigation of security incidents, base traffic regulations and the use of security forms and conducting inspections required by DoD 5220.22-R, Industrial Security Regulation, Air Force Policy Directive 31-6, Industrial Security, and Air Force Instruction 31-601, Industrial Security Program Management.

3.3.2.2 Security support requiring joint Air Force and contractor coordination includes packaging classified information, mailing and receiving classified materials, implementing emergency procedures for protection of classified information, security checks and internal security controls for protection of classified material and high value easily stolen property.

3.3.2.3 On base, the long-term visitor group security agreement may take the place of a Standard Practice Procedure (SPP).

3.3.2.4 The contractor shall comply with the requirements of the National Industrial Security Program Operating Manual (NISPOM), DoD 5200.22-M and AFI 31-601 in management of the contract.

3.3.2.5 The contractor shall appoint an Industrial Security Specialist who shall oversee security operations IAW applicable DoD and AF instructions listed above.

Physical Security

The contractor shall be responsible for ensuring that all mandated physical security requirements are met. The contractor shall enforce base, AF, and DoD instructions on controlled and prohibited items inside the secure area. Areas controlled by contractor employees shall comply with base Operations Plans/Instructions for Force Protection Measures (FORCECOM) procedures, Random Anti-Terrorism Measures (RAMS) and local search/identification requirements. When required by real world Force Protection Condition (FPCON) levels, the contractor shall secure the aircrew training facilities IAW base directives and control entry into those facilities IAW base plans unless relieved by US military personnel.

3.3.3.1 The contractor shall safeguard all government property including controlled forms provided for contractor use. At the close of each work period, government training equipment, facilities, support equipment, and other valuable materials shall be secured

3.3.3.2 The contractor shall provide physical security in the event of a security system malfunction at the secure training facility.

3.3.3.3 For on-base cleared facilities over sighted by the ISPM, contractors shall comply with the National Industrial Security Program Operating Manual (NISPOM) and its supplements, previously referred to as the Industrial Security Manual (ISM), to implement controlled area requirements. The ISPM shall approve the establishment, construction, and modification of all contractor designated controlled areas before they may be used to limit access. The contractor

shall perform visitor control using Entry Authorization List (EAL) which is verified by the COR using the Joint Personnel Adjudication System (JPAS).

3.3.3.4 When required by real world Force Protection Condition (FPCON) levels, the contractor shall secure the aircrew training facilities IAW base directives and control entry into those facilities IAW base plans unless relieved by US military personnel.

3.3.3.5 At the end of each workweek, the contractor shall secure Government facilities, equipment and materials. The contractor shall safeguard all Government property provided for contractor use.

3.3.3.6 The contractor shall establish and implement procedures to ensure that keys and secure area access cards issued to the contractor by the Government are not lost, misplaced, used by unauthorized persons or duplicated. Lost keys or access cards shall be reported immediately to the COR/QAR. The government replaces lost keys or performs re-keying. The total cost of lost keys/access cards, re-keying or lock replacement shall be deducted from the monthly payment due to the contractor.

3.3.3.7 Lock/Cypher Combinations - The contractor shall establish and implement lock/cipher combination control procedures to ensure government property is properly safeguarded and not accessed by unauthorized personnel. The contractor is not authorized to record lock combinations without written approval by the government functional area chief. Records with written combinations to authorized secure storage containers or secure storage rooms (SSR) shall be marked and safeguarded at the highest classification level as the classified material maintained inside the approved containers. The contractor shall comply with DoD 5200.1-R security requirements for changing combinations to storage containers used to maintain classified materials.

Personnel Security

3.3.4.1 Clearance Requirements. The contractor must possess or obtain an appropriate facility security clearance (Top Secret) prior to performing work on a classified government contract. If the contractor does not possess a facility clearance the government will request one. The government assumes costs and conducts security investigations for Top Secret, Secret and Confidential facility security clearances. The contractor shall request security clearances for personnel requiring access to classified information within 15 days after receiving a facility clearance or, if the contractor is already cleared, within 15 days after contract award. All positions for contractor personnel working in and/or around the NTC-L flight simulators require a secret clearance. Due to costs involved with security investigations, requests for contractor security clearances shall be kept to an absolute minimum necessary to perform contract requirements. The contractor shall obtain appropriate US personnel security clearances to the level of material or equipment required to perform PWS tasks. The contractor shall assume all internal administrative costs leading up to submission of personnel clearance requests to the appropriate agencies. The contractor shall notify the Contracting Officer and Installation Security Program Manager (ISPM) at the operating location before on-base performance of the contract. The notification shall include:

a) Name, address, and telephone number of company representatives.

b) The contract number and contracting agency.
c) The highest level of classified information which contractor employees require access.
d) The location(s) of contract performance and future performance, if known.
e) The date contract performance begins.
f) Any change to information previously provided under this paragraph.
g) Suitability Investigations

3.3.4.2 Contractor personnel shall successfully complete, as a minimum, a National Agency Check (NAC), before operating a workstation that has e-mail capabilities. The government shall submit the investigation at no additional cost to the contractor. The contractor shall comply with the NISPOM, DoD 5220.22-M, DoD 5200.1-R, DoD 5200.2-R, AFI 31-401 and AFI 31-501, and AFI 33-119, Electronic Mail (E-Mail) Management and Use, requirements.

3.3.4.3 The contractor shall ensure the requirements for granting access to classified information, as defined in the above references, are met. The contractor shall maintain proper security clearances for its personnel.

3.3.4.4 Unescorted Entry to Restricted Areas: When contractor employees require unescorted entry to restricted areas, the Air Force shall submit NAC investigations for contractor employees at no additional cost to the contractor. Contractor personnel shall successfully complete a NAC investigation to obtain unescorted entry to a restricted area. The contractor shall comply with DoD 5200.2-R, and AFI 31-501, Personnel Security Program Management, requirements.

3.3.4.5 Listing of Employees. The contractor shall maintain a current listing of employees. The list shall include employee's name, social security number and level of security clearance. The list shall be validated and signed by the company Facility Security Officer (FSO) and provided to the contracting officer and ISPM prior to the contract start date. Updated listings shall be provided when an employee's status or information changes.

3.3.4.6 Pass and Identification Items**.** The contractor shall ensure the following pass and identification items required for contract performance, are obtained for employees (whenever local differ, the Contracting Officer shall be the resolution authority):

3.3.4.6.1 Application for Common Access Card (CAC) IAW AFI 36-3026_IP, Identification Cards for Members of the Uniform Services and AETC Instruction 36-3001, Issue and Control of AETC Civilian Identification (ID) Cards).

3.3.4.6.2 AF Form 1199, USAF Restricted Area Badge, or a locally developed badge.

3.3.4.6.3 Retrieving Identification Media. The contractor shall retrieve all identification media from employees who depart for any reason before the contract expires; e.g. terminated for cause, retirement, etc.

Operational Security (OPSEC)

OPSEC requirements are required in an effort to reduce program vulnerability from successful adversary collection and exploitation of critical information. OPSEC will be applied throughout

the lifecycle of the contract. Critical Information list will be provided by the government. OPSEC surveys to measure the effectiveness of the OPSEC program will be conducted by the government.

Identification
The contractor shall follow the applicable Item Unique Identification (IUID) requirements in Section I, Defense Federal Acquisition Regulation Supplements (DFARS) Clauses 252.211-7003 and 252.211-7007 and MIL-STD-130N.

Government Furnished Property (GFP)
The contractor shall determine which GFP items fall under the requirements of DFARS Clause 252.211-7007. For items that require a virtual Unique Item Identifier (UII), the contractor shall mark them with a UII with government-provided equipment. The contractor shall have until six months after receipt of order to comply with this requirement.

DFARS Clause 252.211-7003
In the attachment specified in DFARS Clause 252.211-7003, paragraph (c)(1)(iii), the contractor shall list, for delivered items, only those embedded items that have a UII due to the item's delivered spare having a UII.

Automated Identification Technology (AIT)
The contractor shall use AIT for unique identification of items.

Voluntary Protection Program
The contractor shall establish a Safety and Health Plan (CDRL B005) and corresponding site safety checklist resulting in the prompt investigation, correction and tracking of safety and health violations and/or uncontrolled hazards in contractor work areas. Installation-specific references and policies may be included (or attached) to the plan.

Specific Health and Safety Requirements
The contractor shall comply with the specific health and safety requirements identified in this PWS, as well as the Occupational Safety Health Act (Public Law 91-596).

Health and Safety Rules
The contractor shall comply with the of the Government installation not directly addressed in this PWS.

Accident Prevention
The contractor shall take reasonable steps and precautions to prevent accidents and preserve the health and safety of contractor and Government personnel performing or in any way coming in contact with the performance of this requirement.

Immediate Precautions
The contractor shall take additional immediate precautions identified by the contracting officer for health and safety purposes.

MAINTENANCE

Integrated Logistics Support (ILS)

The contractor shall provide logistics support (e.g., personnel and spare parts in addition to that provided by the RSP) to manage, maintain and support the F-16 NTC. The contractor shall develop a formal Inventory Management Plan (IMP) and provide it to the COR/QAR 60 days after contract start. (CDRL B005) The contractor shall utilize AFI 91-301 for program guidance while operating on Luke AFB, AZ.

ILS activities shall include but not be limited to the following: inventory management; inventory storage and control; distribution and management of supportability assets; logistics analysis and supportability assessment updates; identification and management of supportability issues; acquisition of all replenishment or replacement assets and asset repairs; disposition and disposal of obsolete and condemned support assets; execution of supportability quality audits; development and management of logistics data as a result of engineering sustainment or part obsolescence replacement; acquisition, validation and management of technical publications; management of NTC libraries; and management, maintenance and testing of NTCs.

a. On a daily basis, the contractor will perform shipping and receiving functions to include; receiving, incoming inspection and storage. USAF packing and transportation services shall be given first consideration on all shipments. Shipping costs are to be considered part of the cost of the item (CAP).
b. Coordinate requisitions with the COR and maintain all purchasing documentation in support of NTC-L activities. This includes providing timely follow-up and estimated delivery dates, posting status and advising the USAF of all parts on order.
c. Maintain the NTC-L Supply/Property Databases at the NTC-L site. These presently maintained databases include descriptions of the GFE, GFM, and CAP as part of this effort. In addition, maintain the USAF Technical Orders (TOs) Library and associated electronic records via the Atoms system - also installed on the Supply/Property Database computer.
d. Coordinate the calibration of all test equipment to the best commercial practices. This coordination involves the shipping of the test equipment to the appropriate calibration lab. Appendix N to this PWS lists the test equipment that requires calibration. Luke AFB Test Measurement and Diagnostic Equipment (TMDE) assets shall be used to accomplish the calibration on all items except for the four indicated that will require the services of the calibration lab at Hill AFB and the one item that will require calibration at the Photo Research Lab, Chatsworth, CA. The actual expense of the calibration services is funded by each calibration lab.

Compliance with Technical Data

The contractor shall establish a TODO account. All maintenance performed by the contractor shall be accomplished IAW applicable technical orders and technical manuals, commercial manuals, and engineering drawings. The contractor shall schedule and perform both scheduled and unscheduled maintenance actions in such a manner as to minimize impact on unit operations.

Customer Forms

Air Force Technical Order (AFTO) Form 781 series or government approved contractor forms/data base shall be used for all reported maintenance. All maintenance actions, both scheduled and unscheduled, shall be provided as part of the program reporting requirements.

Stock Levels
Replenish at the initial stock level or at a government approved adjusted stock level, the adjusted stock level results from Operational Flight Program (OFP) configuration changes of the stock items as shown in the spare parts listing. The contractor will be notified by the COR in writing should an adjusted stock level be required. The on-site designated COR will determine which items are to be purchased by the government by utilizing the Air Force Stock Fund. The contractor will be responsible for all other items which are to be bought from commercial sources. Items purchased by the government through the Air Force Stock Fund are considered and will be treated as Government Furnished Equipment (GFE) or Government Furnished Materials (GFM). Items bought commercially by the contractor will be brought as brand name or equal and will be considered Contractor Acquired Property (CAP) and integrated into the NTC-L Supply Storage Area as GFM.

a. Storage, replenishment and issuing of equipment, parts and materials necessary to operate and maintain assigned F-16 flight simulator equipment as well as associated equipment.
b. Establish an initial stock of maintenance and repair parts as required per the Spare Parts Stock listing in PWS Attachment 2 and 3 of this PWS when implementing configuration changes.
c. Maintain appropriate inventory control documentation logs and records. This includes developing a control system to account for all parts/materials and tools/equipment purchased or acquired as GFE/GFM/CAP under this contract for which the contractor has been assigned responsibility. All parts/material and tools/equipment in storage under contractor control shall be logically and neatly identified, organized, and binned (if required) for inventory control.
d. Coordinate and provide liaison activities involving replacement parts to ensure the parts/supplies fit the exact requirements needed for the repair of the simulators and any equipment necessary for the maintenance of the simulators.

Recompetition Support Package (RSP)
The Government has provided an RSP comprised of spares, support equipment and technical data in support of this contract. The contractor shall maintain the RSP to ensure that it is complete and serviceable throughout the contract period. Replacement of condemned items shall be accomplished only at the direction of the HQ AETC/A3Z, and will be at Government expense. Master copies of RSP documentation shall be maintained as part of the RSP function. The contractor shall notify the government of any part(s) before they become obsolete. The contractor shall recommend suitable replacements for these items or propose an alternative approach/design.

Audits
The contractor shall support annual RSP audits and Physical and Functional Configuration Audits (PCA/FCA) of the Product Baseline as directed by the HQ AETC/A3Z. The contractor

shall correct any deficiencies discovered in such audits. The CO shall make the final decision if there is a dispute.

4.2.1.1 Periodic Inventory The contractor shall conduct a periodic inventory of all parts and equipment issued or assigned to the contractor for the POP of the contract (annually for parts and materials, monthly for tools and equipment assigned), to include reporting and replacing items due to loss or excessive wear.

RSP Adjustments
The contractor may recommend adjustments in the RSP to increase training device readiness or to reduce maintenance costs. These adjustments may only be implemented after authorization by the CO.

Contractor-Provided Tools/Support Equipment, Spares and Consumables
The contractor shall provide and maintain all required tools, support equipment, spares and consumables as necessary in order to meet the 95% simulator availability rate requirements.

Maintenance Actions
ILS involves all levels of maintenance, supply support and material management of the training devices. Contractor personnel shall perform applicable on-equipment inspections, preventative maintenance, replacement of parts, disassembly/reassembly, calibration, testing, and operational checks to correct training device malfunctions and verify proper serviceable condition of any component, system, or subsystem of the training device. This work shall be conducted IAW applicable technical data, operator manuals, and/or manufacturer's manuals to ensure proper operating conditions are met.

a. Perform at a minimum, semi-annual recurring procedural and management review of maintenance activities and processes for accuracy and adequacy with emphasis on quality, performance-based metrics and continuous improvement. The outcome of these reviews will be briefed at the monthly Systems Management Board (SMB) meetings.
b. Develop, document and maintain visual system alignment procedures for all projector configurations on the NTCs.
c. Perform daily preflight and unscheduled maintenance support during the PoO, PoO extension, and engineering development and testing periods, which may include weekends, to ensure on-the-spot corrective action in the event equipment malfunction or component failure(s) disrupt operations. Document all discrepancies and corrective actions in a government approved maintenance database while providing for government access.
d. Perform HW preventive and corrective maintenance on all NTC-L networked systems in accordance with established Air Force Technical Orders, contractor procedures, and third party vendor manuals. Provide engineering and technical support in repairing parts or in the replacement of any obsolete parts/equipment. Establish recurring maintenance requirements and schedules as well as preventive maintenance inspections (PMI), and time change items (e.g. 24-month projector tube replacement, annual UPS (Uninterruptible Power Supply) PMI and 3-4 year battery change).

e. Accomplish active inspections, root cause analysis, corrective actions and preventive maintenance or risk mitigation measures. Identify and recommend solutions to discovered design deficiencies that might preclude meeting system and operational requirements.
f. Monitor reliability and maintainability factors in the procurement, design, development and enhancement to the NTC-L system and associated equipment required to maintain the four flight simulators.
g. Monitor facility power and both temperature and humidity levels in the NTC-L bays to ensure described limits are not exceeded. Provide "on call" support during unattended hours (weekends and holidays) for a response time of not greater than one hour (60 minutes) to system alarms and additionally take the necessary action to prevent equipment damage.
h. Compile and maintain maintenance data records of discrepancies and corrective actions supporting operational training projects. Have a tracking system to account for open/closed maintenance/supply actions and recurring activities.
i. Perform trend analysis to support implementation of risk mitigation/avoidance strategies. The contractor will present this trend analysis to the government's SMB for review and approval.

Maintenance Schedule
The contractor shall provide a schedule of recommended preventative maintenance actions to the Contracting Officer Representative/Quality Assurance Representative (COR/QAR) in the monthly maintenance plan. The scheduled maintenance will be incorporated in the aircrew monthly schedule on a noninterference basis. The scheduled maintenance plan is implemented upon Government approval. (CDRL B005)

Training Device Access
The contractor will be granted access to training devices to perform maintenance or modifications after coordination with the COR/QAR. The contractor shall not be grant approval to perform maintenance during the scheduled operating hours of the trainer if such maintenance would interfere with training.

Aircraft Common Equipment (ACE)
The contractor shall notify the COR/QAR of non-serviceable ACE and turn such items over to the COR/QAR, along with the information required by the COR/QAR, for Government replacement with a serviceable item. Lost time due to failure of ACE will not be chargeable until the replacement item is received by the contractor.

Base Facilities/Services
The contractor may request limited use of base facilities/services under unusual circumstances in performing tasks required by this PWS (i.e., forklifts, hand trucks, transportation for moving equipment) to reduce duplication of high-cost resources. Any base facilities GFP not available will be the full responsibility of the contractor to provide.

Support

Contractor personnel shall be available at the on-site training device facility to provide operation and maintenance support during normal operating hours. For planning purposes, the government will provide access to tentative weekly training system utilization schedule and a finalized daily schedule. The contractor personnel work schedules shall support the established training schedule to include weekly utilization and repair discrepancies to meet the Training Schedule Effectiveness Rate.

Technician Assistance
Contractor technicians shall assist students and instructors in the operation of the training devices to include DMO activities. This includes set-up, power-on/off, daily operational readiness testing, initialization, and other assistance such as Instructor Operator Station (IOS) operation and mission generation as identified below.

4.5.1.1 Set-Up
The contractor shall prepare the system for operation IAW on-site operational and technical manuals and execute other functions as required by the training system instructor/student.

4.5.1.2 Operations
The contractor shall provide technicians fully qualified in the operation of the IOS and the training device, as needed, to monitor system operation and to diagnose and rectify problems associated with the initialization and operation sequences during each training mission.

Mission Generation
The contractor shall be responsible for performing Mission Generation as requested by the instructor/student and approved by the 56 TRS/ADO. Mission Generation includes modification of mission files, navigation/communication facilities, Approach/Departure plates, and local tailoring from the IOS. The 56 TRS/ADO will have approval authority for mission-related changes.

Support of Additional Activities
Tours, demonstrations or other activities supporting public affairs or other community relation objectives may be conducted at the NTC-L. Also, the Government may choose to use the trainer equipment, on a limited basis, to support other activities in addition to training tasks required by this contract. The contractor shall adhere to support requirements outlined in Section 4.5 Support and its subsections in supporting additional activities. The contractor personnel shall support these activities as directed by the COR/QAR or program office at no additional cost provided the activities occur within the normal operating time, 0730 to 1930, as ordered under this contract.

Additional Support
Additional operating hours may be required due to temporary or heavy training schedules and may require weekend schedules and/or overtime. The additional support operation will be directed by the 56 TRS/ADO and/or HQ AETC/A3Z program office as authorized by the CO. The contractor’s fully loaded rates identified in CLIN 0003 and subsequent options shall be used for additional support.

Subject Matter Experts (SMEs)
The contractor shall provide on-site SMEs capable of supporting the Period of Operation (PoO). Both F-16 and WD SMEs shall serve as the resident training experts regarding formal F-16, LVC, and DMO training. Specific roles and responsibilities follow:

Weapons Director (WD) SME
Supports formal training syllabi and scheduled events as directed. Provide WD SME support for unscheduled continuation training. Primary WD SME duties include providing Blue Force communications to pilots conducting NTC-L syllabus missions with diverse adversary presentations. Additionally, WD SMEs shall operate the Master Control Station (MCS) consoles and the Instructor Operating Stations (IOS) to support varied mission types, including complex missions such as CAPSTONE, and will backup operators for all other missions. WDs will attend the briefing, provide GCI during the mission, and attend the debrief of all complex missions. WDs can be expected to assist with missions, mission planning, briefings, debriefings, and other duties on an average of 3000 hours a year depending on training requirements.

F-16 SME
Provides support for current and future training syllabi and scheduled events as directed. The primary F-16 SME operational duty is to perform technical battle management for the USAF Instructor Pilot (IP) by directing operators and controllers throughout the NTC-L mission as established in syllabus Special Instructions (SPINS) or as requested by the lead IP. The estimated number of hours could be as much as 5000 hours annually depending on training mission requirements.

Required qualifications: A four year degree at an accredited college or university, graduate of a USAF F-16 flying Basic or Transition formal course, former F-16 Instructor Pilot preferably with instruction experience in AETC approved F-16 formal syllabi. Minimum of five hundred (500) hours experience in the F-16 or comparable fighter aircraft as a pilot, preferably within the past ten (10) years.

4.6.2.1 Additionally, F-16 SMEs will develop NTC-L mission profiles for multi-ship blue air-to-air and air-to-ground network missions based on either Government-defined scenarios or directed requirements. F-16 SMEs shall stay current on joint tactics, techniques, and procedures, maintain MCS and IOS proficiency and have in-depth understanding of the NTC-L equipment and sub-components.

4.6.2.2 F-16 SMEs shall support LVC events by coordinating mission requirements, managing the NTC-L virtual and constructive assets, operating LVC control stations, LVC brief/debrief, and providing flight support as directed or required. Develop LVC scenarios that follow 56FW syllabus requirements/SPINS. The estimated number of hours for LVC support could be as much as 1500 hours annually.

4.6.2.3 F-16 SME duties also include supporting simulation capability enhancements, providing test support to engineering development, and serving as the contractor's primary point of contact regarding NTC-L plans and scheduling.

4.6.2.4 F-16 SMEs must comprehend the NTC-L architecture and F-16 avionics in order to support engineering development. F-16 SMEs must possess the analytical skills to test current and future Operational Flight Programs (OFPs) and associated F-16 offensive and defensive systems.

4.6.2.5 F-16 SMEs shall assist in identifying and evaluating ongoing and potential system modifications and will accomplish HW/SW testing to ensure modifications meet current or proposed training requirements. F-16 SMEs shall assist the Quality Engineer in demonstrating system changes to the customer during Acceptance Test Procedures.

4.6.2.6 An F-16 SME shall serve as the contractor's NTC-L scheduling point of contact for coordinating all DMO events (e.g. Virtual Flag) and Close Air Support (CAS) missions on the Air Reserve Component Network (ARCNET). Additionally, F-16 SMEs shall support LVC events through coordinating mission requirements, managing the NTC-L virtual and constructive assets, operating LVC control stations, and providing flight support (e.g. Joint Terminal Attack Controller (JTAC) communications) as directed or required.

4.6.3 SMEs shall serve as the primary liaisons with government (AETC, Air Combat Command and 56th Fighter Wing) Weapons & Tactics, Training, Plans/Programs and Scheduling personnel. SMEs shall establish information exchange methods and processes with the user(s) to best support routine (weekly and monthly) event scheduling as well as long-term (quarterly and beyond) training plans. Additionally, SMEs shall support Wing and Squadron Weapons and Tactics discussions, CAPSTONE Training development, and annual/semi-annual training and systems forums as directed.

Impacts to Repair Time
Delays due to non-availability of parts to repair training equipment (i.e., due to unsupported weekends, holidays, exercises, etc.) shall not be counted against repair time. Lost time in the event of non-availability of obsolete parts, once identified, shall not be counted until such time as they become available and are awaiting installation. The contractor shall document all occurrences of lost time in the MAR.

Major Mishap
When a major mishap involving Government property occurs, the contractor shall immediately secure the accident scene, the damaged item or wreckage until released by the accident investigative authority as designated by the Wing Safety Office. The contractor shall coordinate release of the damaged item or wreckage with the CO.

Training Schedule Effectiveness (TSE) Rate
The contractor shall maintain all aircrew training devices to ensure a TSE rate of 95% as defined in the Availability Clause Appendix A.

NOTE
Information in items 4.7, 4.8, and 4.9 are used in the TSE rate and over-all contractor performance ratings. Also, if it is determined that a change is necessary to maintain the trainers at the required TSE rate, the contractor shall generate a report and present it to the Government.

The contractor shall determine the number of devices, estimated cost; efficiencies gained and recommended correction at the time of identification of the need for change.

Period of Operations (PoO)
The Period of Operation for the NTC F-16 training devices will be from 0730 to 1930, Monday thru Friday, excluding federal holidays. The trainers will be available for training of F-16 aircrew members during this time frame. Normal hours of operation for maintenance and inspections are 24 hours, five days a week except the above training times (10:30PM Sunday to 10:PM Friday).

Period of Performance (POP)

The Period of Performance for this contract shall be five (5) years, a one (1) year base period with four (4) one (1) year option periods from date of award. Performance will take place at Luke AFB, AZ, Building 617, various Air Force Research Laboratory (AFRL) locations for soft ware and hard ware development, approved business travel locations, and contractor facilities as applicable.

Hazardous Material Disposal
The contractor shall develop and implement a hazardous material disposal program IAW AFI 32-7042. (CDRL B005)

Engineering

System Configuration Working Group (SCWG)
The Contractor shall host or support F-16 NTC SCWG meetings conducted in accordance with AFI 36-2248. SCWG meetings shall be scheduled quarterly or more frequently as mutually agreed. The SCWG is the Government's venue for proposing, discussing, selecting, and prioritizing changes to be incorporated into the NTC design, improving system capabilities and performance. The SCWG will prioritize sustainment engineering changes not otherwise addressed for incorporation as proposed ECPs. These ECPs will be listed as Priority 1, 2, or 3 and will have information as to the impact on trainer system operation and/or impact on training of F-16 aircrew members. (CDRLs B003, B005, B008, and B011 – As required)

Engineering Studies and Analyses
The contractor shall perform engineering studies/analyses on deficiencies, enhancements, and modifications to the training systems as tasked by the government. Such studies may require the development of cost and schedule estimates. Studies may include the investigation of new technologies and an evaluation of the benefits of their insertion to improve capabilities and services. The contractor is solely responsible for acquisition of all source design criteria and data necessary to accomplish such tasks. The HQ AETC/A3Z shall assist the contractor in obtaining such data; however, non-availability of data does not relieve the contractor of their responsibility to perform these tasks. Results of studies and analysis shall be documented in a report submitted to the government. All data and analysis generated under these tasking shall become government property. (CDRL B011)

Configuration Management
The contractor shall define, implement and maintain a configuration management process as documented in a Configuration Management Plan (CMP). The contractor shall establish and maintain a current and traceable NTC hardware and software baseline configuration in accordance with (IAW) the contractor's configuration management process. The configuration management system shall manage, track and control NTC change activities, release formal baseline changes, provide traceability to training and design requirements, track configuration of all fielded assets and produce status accounting reports. The contractor shall update and maintain applicable specifications, through the use of Engineering/Contract Change Proposal (ECP/CCP) and Notice of Revision (NOR). (CDRLs B002, B003, B004, B007, B011)

The contractor shall manage the configuration of the training device software, firmware, hardware, and the TDP, hereafter referred to as the Product Baseline, as tasked by the CO. The TDP includes software documentation, hardware specifications, technical publications, test procedures, engineering drawings, and all other related documentation. The government shall retain unlimited rights to all tools, processes, TDPs, and software and hardware designs created under these tasking. The government requires these processes and data to be transferable to other contractors; therefore, any new configuration management systems shall not contain proprietary or non-commercially available components. Any engineering modifications/testing will be done outside the PoO, but can be scheduled for the next day during the PoO as long as it does not interfere with training and must be approved by the COR/QAR.

Configuration Management Systems
The current in-use government owned computer-based configuration management systems (ClearCase and Software Configuration Control System) shall be used unless the contractor justifies using a different system. The government requires these systems and data to be transferable to other contractors; therefore, any new configuration management systems shall not contain proprietary or non-commercially available components.

Commercial Software Maintenance
The contractor shall track upgrades in commercial software used to support this contract and determine the need for updates or modifications. Recommendations shall be forwarded to HQ AETC/A3Z program manager.

Coding and Documentation Standards
The contractor shall implement effective software coding and documentation standards using IEEE/EIA 12207 as a guide. New code generated under this effort shall conform to these standards. These standards shall meet or exceed those currently used with the trainer(s) software and documentation and shall be approved by the Government at contract start.

Status Accounting Database
The contractor’s database software shall be compatible with the current Government software, i.e. Microsoft Office, Microsoft Project. The contractor shall provide and maintain databases, updated monthly, to include:

a) Trainer inventory (type, serial number, location, status)

b) Discrepancy status
c) Proposed modifications and enhancements (CDRL B008)

Baseline Management
The contractor shall maintain the established hardware and software functional and physical configuration baseline for the NTCs. The contractor shall identify any deviations from the approved configuration baseline. (CDRL B006)

System Verification Reviews (SVRs)/Physical Configuration Audits (PCAs)
The contractor shall host and support government auditors during SVRs/PCAs of hardware and software. Audits shall be co-chaired by the contractor and government. SVRs shall take place prior to PCAs. (CDRL B006)

Logistics Data Library (LDL)
The contractor shall establish a LDL which shall be used to maintain training device baseline technical data (technical manuals, drawings, software manuals, acceptance test procedures, and Commercial Item manuals), engineering reference data, and source and object software with media. (CDRL B005) A copy of aircraft Technical Orders (T.O.) and all other applicable documents, at the trainer baseline, shall be maintained as part of the LDL. The contractor shall keep data updated and distribute as required.

LDL Contents Databases
The contractor shall provide and maintain a database to track the inventory of the LDL. This database shall be capable of identifying all applicable technical documentation and software for each trainer baseline. The database software shall be compatible with the most current government software. An electronic copy of database files shall be made available to HQ AETC/A3Z program office upon request.

Technical Data Format
The contractor shall maintain all technical data, drawings, and manuals in the same style and format as existing data. Conversion to electronic media is encouraged, and shall be accomplished when changes are made, unless directed otherwise by HQ AETC/A3Z program office.

Visual, Sensor and Mission Databases
The contractor shall maintain a library of visual, sensor and mission databases. The contractor shall copy and distribute this data as tasked by HQ AETC/A3Z program office. The contractor shall also deliver a copy of the databases to the Simulator Database facility at Kirtland AFB, New Mexico, if applicable.

Software Baselines
The contractor shall maintain a master and backup copy of all current baselines supported in the NTC-L simulators. In addition, at least two previous revisions of every baseline shall be archived.

Data Gathering and Verification

At the beginning of the contract, the contractor shall collect, verify, and inventory data pertaining to the support of training devices covered in this contract and maintain it in the LDL.

CHANGE MANAGEMENT

The contractor shall institute a change management process that identifies and implements modifications into the NTC as a result of maintaining concurrency with the aircraft, trainer-unique changes, obsolescence, diminishing manufacturing sources, or technology improvement. The contractor shall provide an analysis of proposed changes to the NTC and a Rough Order of Magnitude (ROM) of any corresponding modifications to HQ AETC/A3Z program office. The contractor shall present results of the change management analysis, to include schedule, performance, and safety assessments at PMRs.

The contractor shall acquire and analyze data describing proposed and contracted changes to the aircraft for possible impacts to the F-16 NTC. The contractor shall provide an impact assessment by analyzing each aircraft change activity for potential changes to the F-16 NTC hardware and software. The contractor shall work in concert with the government and the aircraft manufacturer to provide an accurate analysis of proposed aircraft changes in the production of change proposals. The contractor shall generate new or update existing technical data as a result of any changes. An Engineering Change Proposal (ECP) will be generated for any proposed improvements/modifications.

Training System Change Request (TSCR)

The contractor shall establish TSCRs to track baseline changes approved by the government. The contractor shall maintain a government-accessible TSCR tracking system that will provide current and historical tracking information. All TSCRs shall be submitted to the government representatives for review and approval prior to the execution of any request. Disapproved requests shall be documented accordingly for historical purposes.

The contractor shall document potential changes and improvements to the training system. Any documentation shall include, as a minimum, the following elements:

a) TSCR Control Number
b) Date Initiated
c) Title
d) Originator's Name
e) Originator's Phone
f) Originator's Email
g) System / Sub-System / Affected
h) Description of Enhancement/Discrepancy Details
i) Recommended Solution
j) Training Impact
k) Date submitted to Government Representative
l) Approved/Disapproved By Government
m) Date Implemented
n) Date Closed
o) Government Approval/Disapproval

p) Priority

Trainer Modification Installation

The contractor shall design, develop, document, and install all modifications to training equipment as tasked by HQ AETC/A3Z program office. Concurrency modifications shall be installed 30 days prior to aircraft fielding. The contractor may install modifications as part of normal maintenance actions; however, time-critical (safety-of-flight) modifications shall be fielded on a dedicated schedule as directed by the CO. The contractor shall install modifications with minimal impact to the training schedule. The Government shall retain unlimited rights to all tools, processes, technical data packages, and software and hardware designs created under these tasking. The contractor shall provide fully qualified technical personnel to accomplish assigned engineering tasks to in clued the following:

a. All concurrency changes
b. All visual/sensor database and mission data maintenance/update activities.
c. All changes due to obsolescence and diminishing manufacturing sources/material shortages, and associated trade studies/analyses.
d. All training system performance enhancements or additional functionality not otherwise driven by associated concurrency changes.
e. All synthetic environment (threat and other constructive forces simulations, natural environment simulation, navigation facilities, etc) maintenance/update activities.

Documentation Updates

The contractor shall update all applicable technical data impacted by any concurrency or trainer-unique modifications.

Data Required to Accomplish Modifications

The contractor shall be solely responsible to identify and obtain necessary data from the weapon system manufacturer and other sources to accomplish the modifications. HQ AETC/A3Z program office or the COR/QAR may assist the contractor in obtaining such data; however, non-availability of data does not relieve the contractor of responsibility to perform the task(s). Some training devices contain proprietary software or data, which may require the contractor to establish Associate Contractor Agreements (ACA) or subcontract relationships with the original equipment manufacturers in order to accomplish modifications.

Hardware Modifications and Installation

All hardware modifications shall be tested prior to government approval. When directed by the government, the contractor shall provide a prototype for test and approval. All hardware shall be procured, assembled, and installed by the contractor. The contractor shall coordinate the installation schedule with the user to minimize impacts on unit operations.

Software Installation

Software modifications shall be tested and accepted by the Government prior to installation. The contractor shall provide the required media, and install the software programs and data as required. Documentation such as the Version Description Document (VDD), Time Compliance Technical Manual (TCTM), and user guide shall be delivered with the software. The contractor

shall coordinate the installation schedule with the user to minimize impacts on unit operations and Air Expeditionary Force (AEF) support.

System/Subsystem Design Description Document (SSDD)
The contractor's SSDD shall provide the reason for the upgrade/modification, a detailed description of the change(s), open and closed discrepancies, instructions for using the modified software (if not provided separately), and instructions for verifying the software version. A hard copy of the SSDD shall be delivered prior to installation. (CDRL B012)

Time Compliance Technical Manual (TCTM)
The contractor-authored TCTMs shall include a list of kit materials, modification installation procedures, test procedures, and disposition instructions for obsolete material. The contractor shall provide HQ AETC/A3Z program office the TCTM for review and approval. A hard copy of the TCTM shall be delivered prior to installation.

Government-Furnished Equipment (GFE)
Any GFE required to accomplish a modification, and its impact to the makeup of the RSP shall be identified by the contractor in the modification design process. The contractor shall make every effort to minimize the impact from modifications to the GFE.

Testing
The contractor shall update the System Test Plan (STP), Acceptance Test Procedures (ATP), and mission tests (to include local multi-ship and distributed training) for changes to the trainer baseline as directed in the tasking. The contractor shall perform these test procedures JAW the STP during Contractor Engineering Verification Testing (CEVT) where the Government observes and assists as necessary. The prior noted tests will be done outside the PoO, but can be scheduled for the next day during the PoO as long as it does not interfere with training and must be approved by the COR/QAR. The contractor shall also support government ATP, which will be performed by the government prior to final acceptance. The government reserves the right to require discrepancies to be corrected prior to final acceptance. The contractor shall track any discrepancies in a Test Discrepancy (TD) database and correct as directed. The contractor shall also list the unresolved discrepancies in the VDD. (CDRLs B007, B008)

Visual/Sensor Databases/Mission Data
The contractor shall create/update correlated radar, radar warning receiver, infrared and visual simulation databases, and mission data files. A copy of all created/updated databases and mission data files shall be maintained in the LDL.

6.2.9.1 Common Dataset Production and Registration
As part of the creation of real-time executable databases for the target F-16 NTC visual and sensor simulation capability, the Contractor shall produce common datasets for reuse by other United States DoD training systems, in accordance with the USAF TSPG Common Dataset Standard. The format of produced common datasets shall be at the integrated, but unfiltered, intermediate level, after initial publishing and Data Base Working Group (DBWG) review, provided in formats as identified in paragraph 1.3 of the standard. Subsequently, the Contractor

shall provide descriptive documentation of the common datasets so created for inclusion in the TSPG Common Dataset Registry. At a minimum, the descriptive documentation shall include:

a) Geographic area of coverage
b) High and Medium Detail Terrain Inset List
c) Moving Model List
d) Feature Capture Criteria
e) Fixed Target and Threat List
f) Multi-State Damage Model List
g) Sensor Viewing Spectrum [visible, Night Vision Goggles (NVG), Forward-Looking Infrared (FLIR), Electro-Optics (EO), Low-Light-Level Television (LLLTV), Synthetic Aperture Radar (SAR)]
h) Earth Datum
i) Source data used
j) Resolution
k) Classification level
l) Data types included (imagery, terrain, 3-D models, etc.)
m) Enhancements to source database
n) Operational application [fighter, transport, close air support (CAS), etc.]
o) Original target image generator (IG)
p) Releasability restrictions
q) Date produced
r) Validation/verification status
s) Physical location of dataset
t) Point of Contact

6.2.9.2 Common Dataset Reuse

The Government will provide access to the TSPG Common Dataset Registry to the Contractor. The Registry provides data describing common datasets produced in accordance with the *USAF TSPG Common Dataset Standard*, and which may be retrieved by the Government and provided for reuse by requesting programs. Prior to any visual or sensor database update or database expansion effort, the Contractor shall consult the Registry to determine if any existing archived dataset can be reused to support F-16 NTC program requirements. The Contractor shall accept source data produced by other training system programs in formats as defined in the *USAF TSPG Common Data Set Standard*. The Contractor shall incorporate any enhancements it makes to the Government-furnished dataset into a new dataset, output as specified in the *Common Data Set Standard*. For all updated datasets, the Contractor shall update and provide the associated descriptive data for inclusion in the TSPG Common Dataset Registry. For all new databases created to expand the F-16 TS visual and sensor geospatial coverage, the Contractor shall first produce common datasets for reuse by future systems, in accordance with the *USAF TSPG Common Dataset Standard*, including provision of descriptive documentation for inclusion in the TSPG Common Dataset Registry. The format of produced common datasets shall be at the integrated, but unfiltered, intermediate level, provided in formats as identified in paragraph 1.3 of the standard.

TRANSITION

Initial Transition
Following contract award the incumbent retains responsibility for the F-16 Network Training Center devices for a period of up to 30 days (i.e., transition period). This includes all of the functions currently being performed to ensure the device availability requirements are met. The contractor shall work with the incumbent during the transition period to assume responsibility for the F-16 NTC. The contractor shall be postured to assume responsibility for these requirements at the end of the transition period.

Follow-on Transition
The contractor shall support the transition to a successor contractor at the conclusion of the final option period. This transition shall be transparent and be conducted in such a manner that continuity of support shall be maintained. The contractor shall identify transition tasks in their IMS. The contractor shall transfer all F-16 NTC data to the successor as directed by the CO.

Facility and Material Transition
The contractor shall coordinate with the CO and the successor contractor to transfer possession of Government facilities and GFP to the successor contractor or to the Government by the end of the transition period. The contractor shall transfer or remove all contractor-owned equipment and materials from the Government facilities. The CO will specify point of delivery.

Inventories and Audits
The contractor shall perform an inventory of all F-16 NTC assets within 30 days after contract award. Following the inventory, the contractor shall support an AF audit to ascertain that a complete set of documentation and software packages exists, with the latest revisions incorporated. This set of documentation and software packages shall be suitable for procurement purposes. The contractor shall assist the AF in the inventory of all Government-owned F-16 NTC assets, during the transition period. The contractor shall deliver to the successor contractor an initial inventory of all F-16 NTC assets with the final inventory to be delivered as agreed by the Transition IPT (see 7.2.3). The contractor shall jointly reconcile all inventory items and anomalies with the Government and successor contractor.

Transition Plan
The contractor shall produce and maintain a transition plan (CDRL B005) for the follow-on contract which insures seamless training, management, and support continuity. The plan shall explain how each of the following tasks shall be accomplished:

a) All NTC assets inventoried.
b) An audit conducted to ascertain that a complete set of documentation and software package exists, with the latest revisions incorporated.
c) The maintenance database updated in a form that allows viewing and manipulation in a Commercial Off The Shelf (COTS) relational database package.
d) An initial inventory of program spares with the final inventory delivered as agreed by the Transition IPT (comprised of representatives of the Government, current contractor and the successor contractor).
e) All parts in the repair cycle accounted for.

f) Items in the repair cycle returned to the new contractor's inventory control point.
g) The responsibility for all facilities and GFP transferred either to the new contractor or back to Government control.
h) All contractor-owned equipment and materials transferred or removed.
i) All training system data archived and eventually transferred to the successor.
j) Program documentation audited to ascertain that a complete set of documentation exists, in suitable condition, with the latest revisions incorporated.
k) Support, on a non-interference basis, provided to the successor contractor during a 90-day transition period.
l) Transfer responsibility for overlapping modification efforts.
m) A schedule proposed of when the various activities/events listed in the plan would occur.

Transition IPT
The contractor shall attend meetings, finalize a transition plan and develop transition schedules in support of the Transition IPT as required by the Government.

Repair Cycle Items
The contractor shall account for all parts in the repair cycle. The contractor shall arrange with the successor contractor the return of items in the repair cycle to the successor contractor's inventory control point.

MISCELLANEOUS

Import/Export Licenses and Agreements
The contractor shall obtain required import/export licenses and agreements as necessary.

Personnel Assignments
The contractor shall provide HQ AETC/A3Z program office and the cognizant local command authority, the name, Social Security Number (SSN), duty title, date of assignment, type of security clearance, date issued, date of security investigation and name of agency that granted the clearance for all employees that will perform work at the F-16 NTC. This information shall be provided 30 calendar days prior to the performance of their contract and upon initiation of changes as they occur.

Pass and Identification
All assigned contractor personnel shall obtain the passes and long-term identification and vehicle registration as required by the Government. The contractor shall work with the COR to accomplish this requirement. The contractor shall establish procedures to ensure notification of the COR and return all passes and identification when personnel depart or separate from this contract. The contractor shall comply with Government security procedures and Facility Security Plans at each site.

Facilities and Equipment
The contractor shall be responsible for the general safety, security, and operation of the facilities and equipment required under this contract. The contractor shall cooperate with applicable

Government personnel (Fire Department, Security Forces, Safety, Building Manager, etc.) in the performance of their duties.

Provided Facility Equipment, Utilities and Repair
The following shall be provided at no cost to the contractor: facility utilities and facility repair, selected office furnishings and selected shop equipment (PWS Attachments 2 and 3 - Supply Inventory Lists), base refuse collection services, external security, phones, and base phone service IAW base directives, and vehicle parking consistent with services extended to other base organizations.

Maintenance of Government-Provided Facilities
The contractor shall maintain Government-provided facilities associated with the performance of this contract in a clean, orderly, and safe condition, subject to inspection and approval of the COR/QAR. This includes janitorial services and supplies. Where the facility is shared with another contractor, the contractor shall be responsible for areas used by this contract. The COR/QAR shall work with the contractor in defining any areas in question.

Government-Provided Equipment and Services
The Government shall provide selected equipment, software, and testbeds (PWS Attachment 1 GFE Property Inventory). Requests by the contractor for any additional equipment and software will be submitted to HQ AETC/A3Z program office. If Government funds are used for this new equipment and software, these items then become Government property.

8.3.3.1 Office Supplies.
The contractor shall be responsible for procuring office supplies (defined to include industry general office supplies, toner, inkjet and fax cartridges, office equipment (e.g., fax machines), and limited quantity of printer/copier paper) for areas of responsibility.

Trainer Relocations
The contractor shall perform relocation of training devices at the request of the Government. Relocation includes the dis-assemble, packaging, crating, shipping, re-assemble, installation and checkout of a training device(s) from one location to another.

Disposal and Disposition
The contractor shall accomplish trainer disposal and disposition actions as directed by the CO. These activities shall include, but not be limited to, disassembly, demilitarization, removal of recyclable and hazardous materials, packaging, and shipping. Each effort shall be negotiated separately between the contractor and the CO prior to any action.

Trainer Storage
The contractor shall provide storage of training devices IAW instructions provided by the CO. This may include the storage of excess equipment that could require indoor storage. Each effort shall be negotiated separately between the contractor and the CO prior to any action.

Accident & Incident Reporting & Investigation

The contractor shall report an accident or incident immediately, but no later than 24 hours following the event, to the local COR/QAR or CO. The contractor's report shall contain all available facts relating to any damage to Government property and/or injury to any personnel. If the Government elects to investigate an accident, the contractor shall cooperate fully and assist the Government personnel until the investigation is completed.

Contract Holidays
The holidays listed below will be observed in performance of this effort. The prices/costs in Section B of the contract include holiday observances; accordingly, the Government will not be billed for such holidays, except when services are required by the Government and are actually performed on a holiday.

The following days are contract holidays:

a) New Year's Day
b) Birthday of Dr. Martin Luther King, Jr.
c) Washington's Birthday*
d) Memorial Day
e) Independence Day
f) Labor Day
g) Columbus Day
h) Veterans Day
i) Thanksgiving Day
j) Christmas Day

*This holiday is designated as "Washington's Birthday" in Section 6103(a) of Title 5 of the United States Code, which is the law that specifies holidays for Federal employees. Though other institutions such as state and local governments and private businesses may use other names, it is our policy to always refer to holidays by the names designated in the law.

Continuation of Essential Services During Crises
The services described in this PWS are considered mission essential. Therefore, in compliance with DOD Instruction 3020.37, the contractor shall continue to perform all the services required under this PWS during crises as defined under this instruction.

Disputes
In case of any disputes that arise during the performance of this contract, the contractor shall first try to resolve it with the local Government representative. If the disagreement cannot be resolved at the local level, the contractor shall provide complete details of the dispute to the CO, who shall make the final determination.

SERVICE SUMMARY
In compliance with AFI 63-124, the Service Summary (SS) portion of the Performance Plan for F-16 NTC is presented below:

F-16 Network Training Center Service Summary Matrix

Service Summary (SS)	Performance Objective	PWS Paragraph	Performance Threshold	Method of Surveillance	Remedy
SS-01	Accuracy and completeness of Logistics Data Library (LDL) items	5.4 and sub paragraphs	No more than one error noted per item in the LDL. This is for all updates to current and new documents and the LDL Contents Databases.	I	Correction of deficiency(s) within a 5-day period
SS-02	Deliverables (Program Management)	3 thru 9 and sub paragraphs	No more than one error noted per item. Are CDRLs, Plans, and other documents being delivered by due date?	I, S	Correction of deficiency(s) within a 5-day period
SS-03	Trainer Availability	4.9	Training schedule effectiveness and trainer availability is at or above 95%	S, A	Correction of deficiency(s) immediately, if not monetary penalty per CO determination
SS-04	Responsiveness to customer inquiries	3.1	Acknowledgement and plan of action for customer inquiries (verbal/pilot critiques) received within 2 business days of initial inquiry, 90% of the time. Is the contractor tracking all inquiries?	RS, S, A, C	Correction or corrective action plan within 2-day period
SS-05	Minimal device damages sustained during trainer relocations	8.4	95% of all damages identified to be corrected within 5 calendar days of notification; remaining 5% corrected within 14	S, C	Correction or corrective action plan within 5-day period

			calendar days of notification		
SS-06	Trainer concurrency	6.2	OFP updates will be delivered 30 days prior to aircraft fielding., and other modifications by the required/agreed upon date. ATPs of all updates with no more than 1 major or three minor errors noted	I	Document findings to CO
SS-07	Voluntary Protection Program (VPP)	3.5	100% compliance with the contractor's Safety and Health Plan, including the effective reporting, tracking, investigation, and correction of all safety and health issues and mishaps	S, C	Immediate correction of deficiency(s)

Surveillance Method	
RS	**Random Sampling:** Appropriate for frequently recurring tasks. Statistically based and assumes the Government receives acceptable performance if a given percentage or number of scheduled inspections are found to be acceptable.
I	**Inspection:** Inspecting the requirement every time it occurs.
S	**Surveillance**: Samples selected on other than 100% or statistically random basis.
A	**Analysis**: Monitors the contractor's on-going performance over time. Data for tracking trends can be gathered from all other evaluation sources and methods.
C	**Complaints**: Customer complaints are likely to be subjective and need to be fully validated. Valid customer complaints may be used as the basis for adverse action against the contractor

GLOSSARY

ACA	Associate Contractor Agreement
ACE	Aircraft Common Equipment
AEF	Air Expeditionary Force
AFI	Air Force Instruction
AFTO	Air Force Technical Order
AIT	Automated Identification Technology
ATD	Aircrew Training Device
ATG	Approval Test Guide
ATP	Acceptance Test Procedure
C&A	Certification and Accreditation
CCP	Contract Change Proposal
CDRL	Contract Data Requirements List
CEVT	Contractor Engineering Verification Testing
CLIN	Contract Line Item Number
CMP	Configuration Management Plan
CO	Contracting Officer
COR	Contracting Officer Representative
COTS	Commercial Off the Shelf
CPI	Critical Program Information
CSCI	Computer Software Configuration Item
DAA	Designated Approval Authority
DAL	Data Accession List
DBWG	Data Base Working Group
DFARS	Defense Federal Acquisition Regulation Supplements
DIACAP	DoD Information Assurance Certification and Accreditation Process
DMO	Distributed Mission Operations
DMT	Distributed Mission Training
DoD	Department of Defense
DoDD	Department of Defense Directive
DoDI	DoD Instruction
EAR	Export Administration Regulation
ECP	Engineering Change Proposal
ESD	Electrostatic Discharge
FCA	Functional Configuration Audit
FOUO	For Official Use Only
FPCON	Force Protection Condition
GFE	Government Furnished Equipment
GFP	Government Furnished Property
HQ	Headquarters
IA	Information Assurance
IAW	In Accordance With
ILS	Integrated Logistics Support

IMP	Inventory Management Plan
IMS	Integrated Master Schedule
IOS	Instructor Operator Station
IPT	Integrated Product Team
IS	Information Systems
ISDWG	Instructional System Development Working Group
ISO	International Organization of Standardization
ISPM	Installation Security Program Manager
ITAR	International Traffic in Arms Regulation
IUID	Item Unique Identification
JDRS	Joint Deficiency and Reporting System
JPAS	Joint Personnel Adjudication System
LDL	Logistics Data Library
LOAPS	List of Applicable Publications
LOAS	List of Applicable Software
MAJCOM	Major Command
MAR	Monthly Activity Report
MIL-STD	Military Standard
MP	Management Plan
MTBF	Mean Time Between Failure
NISPOM	National Industrial Security Program Operating Manual
NLT	No Later Than
NOR	Notice of Revision
NSN	National Stock Number
NVG	Night Vision Goggle
OSHA	Occupational Safety Health Act
PBSA	Performance-Based Services Acquisition
PCA	Physical Configuration Audit
PMR	Program Management Review
POP	Period of Performance
PoO	Period of Operation
PPP	Program Protection Plan
PWS	Performance Work Statement
QAR	Quality Assurance Representative
QCP	Quality Control Plan
ROM	Rough Order of Magnitude
RSP	Re-competition Support Package
RTM	Requirements Traceability Matrix
SCWG	System Configuration Working Group
SIMCERT	Simulator Certification
SMB	System Management Board
SPR	System Problem Reports
SS	Service Summary

SSN	Social Security Number
STP	System Test Plan
SVR	Software Verification Review
TCTM	Time Compliance Technical Manual
TD	Test Discrepancy
TDP	Technical Data Package
TO	Technical Order
TODO	Technical Order Distribution Office
TS	Training System
TSCR	Training System Change Request
TSE	Training Schedule Effectiveness
TSPG	Training System Product Group
UII	Unique Item Identifier
US	United States
USAF	United States Air Force
VDD	Version Description Document
VGSA	Visitor Group Security Agreement
VPP	Voluntary Protection Program
WD	Weapons Director